

ABSTRACT

A method for determining EGR flow in an internal combustion engine, such flow
5 being from an exhaust manifold of the engine to an intake manifold of the engine through an
EGR valve. The method includes using information provided by a mass air flow sensor
disposed upstream of an exhaust gas inlet to the intake manifold and information provided by
an manifold absolute pressure sensor disposed downstream of such exhaust gas inlet to
provide an indication of the flow of exhaust gas into the intake manifold through such inlet.

10 The method compares such estimated exhaust gas flow into the intake manifold with a
commanded exhaust gas flow to the EGR valve. With such method, a determination may be
made as to whether the EGR valve is operating properly.